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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/051,274	01/22/2002	Sunil Kunisetty	50277-2895	7586
42425	7590	10/16/2006	EXAMINER PHAM, CHRYSTINE	
HICKMAN PALERMO TRUONG & BECKER/ORACLE 2055 GATEWAY PLACE SUITE 550 SAN JOSE, CA 95110-1089			ART UNIT 2192	PAPER NUMBER

DATE MAILED: 10/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/051,274

Applicant(s)

KUNISSETY ET AL.

Examiner

Christine Pham

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5,6,9,11,15-17,19-21 and 23-34 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-2, 5-6, 9, 11, 15-17, 19-21, 23-34 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application
- ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to Amendment filed on June 30, 2006. Claims 1, 5, 9, 15 and 19 have been amended. Claims 3-4, 7-8, 10, 12-14, 18 and 22 have been canceled. Claims 23-34 are new claims. Claims 1-2, 5-6, 9, 11, 15-17, 19-21, 23-34 are pending.

Response to Arguments

2. Applicant's arguments with respect to newly added limitations "generating a servlet class for the page based on the set of code instructions..." recited in independent claims 1, 5, 15 and 19 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
4. Claims 1-2, 5-6, 9, 11, 15-17, 19-21, 23-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Agrawal et al. of record (US 2002/0004813 A1, *Agrawal*) in view of Claussen et al. made of record (US 6675354 B1, "Claussen").

Claim 1

Agrawal teaches a computer-implemented method of dynamically generating web pages (see at least *request for a document, script, blocks, data source, code* paragraph [0014]; *HTML document, HTTP request* paragraph [0015]; *612, cached blocks 614, client devices 606* FIG.6 & associated text; paragraph [0061]), said method comprising:

- Analyzing a page (see at least *Web page 202* FIG.2 & associated text; *Web page 202, script, blocks* paragraph [0032]) to extract static markup text (see at least *S51-S53* FIG.5 & associated text; *portion of Web page, static, static HTML* paragraph [0031]; *pages, different users, page blocks, current weather, common zip code, partial page caching* paragraph [0060]), wherein the page includes markup text and a set of code instructions executable on a server (see at least *request for a document, script, blocks, data source, code* paragraph [0014]; *HTML document, HTTP request* paragraph [0015]; *Web scripting, application logic, ASP, JSP* paragraph [0030]; *combination of code and static HTML, script* paragraph [0031]; *server* paragraph [0027]);
- extracting the markup text from the page (see at least paragraph [0033]; *S62* FIG.5 & associated text);
- generating a script for the page based on the set of code instructions, wherein the script does not include the markup text (see at least *scripted page, static HTML, partial page caching* paragraphs [0029]-[0036]);
- loading a copy of the markup text into shared, read-only memory (see at least *S53-S58* FIG.5 & associated text; *caching, selected number of blocks, web page* paragraph [0033]; paragraph [0034]; *static portion, cache memory* paragraph [0066]; *S59-S60, S53, S61-S62* FIG.5 & associated text; *612, cached blocks 614, client devices 606* FIG.6 & associated

text; *rest of the page, shopping cart, item description, user comments, cached in memory, other users* paragraph [0061]; *shared memory cache, multiple processes, machines* paragraph [0053]; paragraph [0056]; paragraph [0064]);

- in response to each request of a plurality of requests for the page from a plurality of clients (see at least *S59-S60, S53, S61-S62* FIG.5 & associated text; *612, cached blocks 614, client devices 606* FIG.6 & associated text; *rest of the page, shopping cart, item description, user comments, cached in memory, other users* paragraph [0061]; *shared memory cache, multiple processes, machines* paragraph [0053]; paragraph [0056]; paragraph [0064]), performing the steps of:
 - instantiating a distinct instance of a JSP script on the server, wherein instantiating each instance of the script does not create another copy of the markup text (see at least *S62, S59, S60* FIG.5 & associated text);
 - executing said distinct instance of the script, wherein execution of each instance of the script generates a compiled page based on the copy of the markup text that resides in shared, read-only memory, and the set of code instructions (see at least paragraphs [0014]-[0015]; *S51-S62* FIG.5 & associated text);
 - sending the compiled page to a client that requested the page (see at least *S60* FIG.5 & associated text);

Agrawal does not expressly disclose said script being a servlet class. However, *Claussen* discloses a system and method for serving dynamically generated servlet [class] using JSP to requesting clients (see at least *210* FIG.2 & associated text; *dynamically generated HTML, JSP, Java servlet* col.1:65-col.2:21; col.5:1-45). *Agrawal* and *Claussen* are analogous art

because they are both directed to dynamically generating scripted page (i.e., servlet class). It would have been obvious to one of ordinary skill in the pertinent art at the time the invention was made to incorporate the teaching of Claussen into that of *Agrawal* for the inclusion of a servlet class. And the motivation for doing so would have been to allow error-handling code to be included in the servlet class (script code) for improved debugging and maintenance of requested web pages (see at least Claussen col.14:40-col.15:26).

Claim 2

The rejection of base claim 1 is incorporated. *Agrawal* further teaches storing the markup text in a resource file associated with the application (see at least S55-S58 FIG.5 & associated text).

Claim 5

Claim recites limitations, which have been addressed in claim 1, therefore, is rejected for the same reasons as cited in claim 1.

Claim 6

The rejection of base claim 5 is incorporated. *Agrawal* further teaches wherein the class is not loaded into the shared, read-only memory when the other instances of the application are executed (see at least S61-S62 FIG.5 & associated text).

Claim 9

The rejection of base claim 1 is incorporated. Claussen further teaches wherein the markup text includes information to be displayed to a user and an annotation directing a user agent how to render the information to be displayed to the user; and the markup output by the executing servlet class includes the annotation (see at least *tag handler, Java object, XSL stylesheet* col.3:30-42; *Java object, servlet, XSL stylesheet* col.5:1-col.7:35).

Claim 11

Claim recites limitations, which have been addressed in claim 9, therefore, therefore, is rejected for the same reasons as cited in claim 9.

Claims 15-17, 19-21

Claims recite limitations which have been addressed in claims 2, 5, 6, and 9 therefore, are rejected for the same reasons cited in claims 2, 5, 6, 9.

Claim 23

The rejection of base claim 1 is incorporated. Claussen further teaches wherein the servlet class includes an inner class (see at least col.12:55-col.13:10).

Claim 24

The rejection of base claim 23 is incorporated. *Agrawal* (as modified by Claussen) further teaches wherein the step of loading a copy of the markup text includes hot-loading an

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instance of the inner class (see at least *S53-S58 FIG.5 & associated text; caching, selected number of blocks, web page* paragraph [0033]; paragraph [0034]; *static portion, cache memory* paragraph [0066]; *S59-S60, S53, S61-S62 FIG.5 & associated text; 612, cached blocks 614, client devices 606* FIG.6 & associated text; *rest of the page, shopping cart, item description, user comments, cached in memory, other users* paragraph [0061]; *shared memory cache, multiple processes, machines* paragraph [0053]; paragraph [0056]; paragraph [0064]).

Claim 25

The rejection of base claim 24 is incorporated. *Agrawal* further teaches wherein the inner class comprises an array of characters (see at least *shopping cart, item description, user comments, cached in memory, other users* paragraph [0061]).

Claims 26-34

Claims recite limitations, which have been addressed in claims 23-26, therefore, are rejected for the same reasons as cited in claims 23-26.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

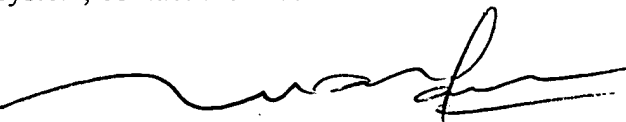
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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chrystine Pham whose telephone number is 571-212-3702. The examiner can normally be reached on Mon-Fri, 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q Dam can be reached on 571-272-3695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



TUAN DAM
SUPERVISORY PATENT EXAMINER